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to carry out experimental mechanical research work of which the following instances may be cited :—

- (1) Experiments on power-driven wooden chekkus.
- (2) Experiments for devising an improved method of drying warps on wooden hand-sizing machine.
- (3) Improved mechanism for working a drop-box slay.
(These three have been successfully completed.)
- (4) Experiments with groundnut decorticators.
- (5) Experiments on the critical velocity of water bearing sand.
- (6) Experiments to obviate the need for costly counter-shafts to reduce suction lift of pumps employed in deep wells.
- (7) Experiments on magnesite calcining furnaces.

MR. BASHEER AHMAD SAYEED :—“ With reference to the answer to clauses (c) and (d), may I know from the hon. the Minister for Development whether it is the function of the Director of Industries to promote industrial concerns in this Presidency ? ”

The hon. MR. A. RANGANATHA MUDALIYAR :—“ I have answered it, Sir.”

MR. BASHEER AHMAD SAYEED :—“ The answer to clauses (c) and (d) says, ‘ It is not the function of the Industrial Engineer to promote industrial concerns.’ May I know from the hon. the Minister for Development whether it is the function of the Director of Industries ? ”

The hon. MR. A. RANGANATHA MUDALIYAR :—“ The answer refers to the Industrial Engineer, and if he wants information about any other thing, I should like to have notice.”

MR. BASHEER AHMAD SAYEED :—“ May I ask whether it is the function of the Director of Industries ? ”

The hon. the PRESIDENT :—“ The hon. Member requires notice.”

MR. BASHEER AHMAD SAYEED :—“ May I know, if the function of the Industrial Engineer is not to promote industrial concerns, why he should be retained on such a high pay instead of having a superintendent for boring and pumping on a couple of hundred rupees ? ”

The hon. MR. A. RANGANATHA MUDALIYAR :—“ For the work he is doing.”

MR. BASHEER AHMAD SAYEED :—“ Does he propose to abolish the post of Industrial Engineer and substitute one superintendent for pumping and boring ? ”

The hon. MR. A. RANGANATHA MUDALIYAR :—“ No, Sir.”

Qualifications of the Industrial Engineer.

* 662 Q.—MR. BASHEER AHMAD SAYEED : Will the hon. the Minister for Development be pleased to state—

(a) whether it is a fact that the Industrial Engineer in the Department of Industries was a student of Civil Engineering in the University of Durham and that he obtained his B Sc. Degree in Civil Engineering alone ;

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(b) whether he has undergone any University course of training in Mechanical Engineering in England or elsewhere ;

(c) the subject of his thesis for the M.Sc. degree and whether this degree was awarded after any written or oral examination ; and

(d) whether his membership of the Institute of Mechanical Engineers requires an University training in Mechanical Engineering ?

A.—(a) Yes.

(b) No.

(c) The degree was awarded on the results of a written examination.

(d) The Government have no information.

Mr. BASHEER AHMAD SAYEED :—“ May I know, if the Industrial Engineer is merely a Civil Engineer, why he is placed in charge of such a highly mechanical branch as industrial engineering ? ”

The hon. Mr. A. RANGANATHA MUDALIYAR :—“ Because he is fit for the appointment.”

Mr. BASHEER AHMAD SAYEED :—“ May I know whether a Civil Engineer is fit for industrial engineering purposes ? ”

The hon. the PRESIDENT :—“ It is asking for opinion.”

Practical training undergone by the Industrial Engineer.

* 663 Q.—Mr. BASHEER AHMAD SAYEED : Will the hon. the Minister for Development be pleased to state—

(a) whether the Industrial Engineer has undergone any practical training in England or elsewhere in the following subjects and if so, the names of firms and the periods during which he has undergone such training—

(1) Steam Engine excluding Locomotives ;

(2) Internal combustion Engines ;

(3) Power drills ;

(b) the names of Engineering Firms and Workshops in England in which the Industrial Engineer made a special study, if any, of the various industrial concerns and projects ; and

(c) whether the Industrial Engineer has equipped his workshop with any mechanisms other than those usually found in the Public Works Department Workshop, or in any other private foundries and engineering firms ?

A.—(a) (1) & (2) The Industrial Engineer has had nearly five years' practical training in the North-eastern Railway Workshops in the manufacture and maintenance of steam and internal combustion engines.

(3) He had no training in power drills before the appointment to the department.

(b) No special study of local industrial concerns and projects was made abroad.

(c) The Government have no information.